



What type of devices will your installation involve?



### Basic Storage Devices

Installs or upgrades to typical types of storage devices. If you're not sure which option is right for you, this is probably it.



### Specialized Storage Devices

Installs or upgrades with devices such as Storage Area Network (SAN) devices or mainframe attached disks (DASD), usually in an enterprise environment.

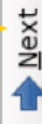
- ☒ Local Storage
- ☒ Fiber Channel
- ☒ iSCSI
- ☐ SAS
- ☐ DASD
- ☐ FCoE
- ☐ CCISS

Ordering of interconnect types needs to be thought about. Maybe alphabetical is not the best. I tried to do in proximity order, with FCoE tacked on the end.

Two possibilities: provide a flat list of all possible technologies, or have an intermediate step before this screen to scan for at least one of each tech with some reasonable timeout.... and only show the detected techs here or show all but flag the detected ones.

Only display for s390 installs.

Only scan for existing Linux installs if Basic selected. If advanced selected, scan AFTER user has chosen devices of interest.



BASIC:

show this screen right away after a scan  
ADVANCED:  
only show screen after user selects drives to  
work with and only scan those drives.

fedora™

At least one existing installation has been detected on your system. What would you like to do?



### Fresh Installation

Choose this option to install a fresh copy of Fedora on your system. Existing software and data may be overwritten depending on your configuration choices.

Should this be  
the default  
selection??



### Upgrade of an Existing Installation

Choose this option if you would like to upgrade your existing Fedora system. This option will preserve the existing data on your storage device(s).

Which Fedora installation would you like to upgrade?

Fedora 10 (located at /dev/VolGroup00/LogVol00)

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The simple case.



Please select both the drives you'd like to install the operating system on and any other drives you'd like to be automatically mounted to your system below:

ID\_SERIAL\_SHORT

<input type="checkbox"/>	Product Name	Capacity	Vendor	Connection	Serial Number	
<input checked="" type="checkbox"/>	SSD SATA	40 GB	SanDisk, Inc.	SATA	NP0JT4C2FUWY	
<input checked="" type="checkbox"/>	ST9160824AS	80 GB	Seagate	IDE	5MACH5AT	
<input checked="" type="checkbox"/>	ST9160824AS	80 GB	Seagate	IDE	5JXGCL92	
<input type="checkbox"/>	Mini TravelDrive	4 GB	Memorex	USB	000AEB91EC06C930A30E00	

**Show Columns:**  
☒ Capacity  
☒ Connection  
☒ Device  
☒ Product Name  
☐ Serial Number  
☒ Vendor

Potential possibilities:

- SATA
- PATA
- IDE
- USB
- Firewire
- eSATA
- PCMCIA
- SSD
- SCSI

Grey indicates default  
sort; sorting should be  
available on all cols

**Tip:** Selecting a drive on this screen does not necessarily mean it will be wiped by the installation process. Also, note that post-installation you may mount drives you did not select here by modifying your `/etc/fstab` file.

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The advanced case.



Please select both the drives you'd like to install the operating system on and any other drives you'd like to be automatically mounted to your system below:

Basic Devices

BIOS RAID

Multipath Devices

Other SAN Devices

Search

<input type="checkbox"/> Product Name	Capacity	Vendor	Connection	Serial Number
<input checked="" type="checkbox"/> SSD SATA	40 GB	SanDisk, Inc.	SATA	NP0JT4C2FUWY
<input checked="" type="checkbox"/> ST9160824AS	80 GB	Seagate	IDE	5MACH5AT
<input checked="" type="checkbox"/> ST9160824AS	80 GB	Seagate	IDE	5JXGCL92
<input type="checkbox"/> Mini TravelDrive	4 GB	Memorex	USB	000AEB91EC06C930A30E0

Show Columns:

☒ Capacity

☒ Connection

☒ Device

☒ Product Name

☐ Serial Number

☒ Vendor

Grey indicates default sort; sorting should be available on all cols

Potential possibilities:

- SATA
- PATA
- IDE
- USB
- Firewire
- eSATA
- PCMCIA
- SSD
- SCSI

**Tip:** Selecting a drive on this screen does not necessarily post-installation you may mount drives you did not select here by modifying your /etc/fstab file.

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The advanced case,  
alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Basic Devices

BIOS RAID

Multipath Devices

Other SAN Devices

Search

<input type="checkbox"/> Device	Capacity	RAID Level
<input checked="" type="checkbox"/> md0	40 GB	1
<input checked="" type="checkbox"/> md2	80 GB	1
<input checked="" type="checkbox"/> md3	40 GB	5

I have no idea if these  
are appropriate fields.  
What do you think?

do these show up as  
'mdx' or 'dmraidx'?

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The advanced case,  
alternate method (tabs)

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Please select the drive(s) you'd like to include in this installation below:

Basic Devices

BIOS RAID

Multipath Devices

Other SAN Devices

Search

Filter By: 

Vendor

☐ WWID

☒ Vendor

☐ Interconnect

☐ WWID

Show Only Devices From:

▼

Vendor

EMC

▼

Vendor

EMC

Clear All Filters

<input checked="" type="checkbox"/>	60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68	EMC	Fiber Channel	▼ mpath0	<div><div>sda (1:5:4)</div><div>sdb (2:3:4)</div><div>sdc (2:1:4)</div></div>
<input checked="" type="checkbox"/>	42:bb:cc:11:0f:8c:07:ff:ef:32:b2:cd:f5:66:ba:01:99	EMC	iSCSI	► mpath1	
<input type="checkbox"/>	ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	HP	Fiber Channel	▼ mpath2	<div><div>sdam (1:3:7)</div><div>sdan (1:4:7)</div><div>sdao (2:2:7)</div></div>

Disable dmraid Device

Add iSCSI Target

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This design only lets you view one vendor at-a-time or all. If finer-grained controls are needed, you could use a check/uncheck dropdown...

Here, show only vendors you've got devices for

Simple view of the devices under the mpath dev, with (port:target:lcu)

The advanced case,  
alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Populate based on interconnects user  
selected on the front screen. Also  
have an 'All interconnects' option.

Basic Devices

BIOS RAID

Multipath Devices

Other SAN Devices

Search

Filter By: 

Interconnect

 Show Only Devices Using: 

Fiber Channel

Clear All Filters

<input type="checkbox"/> WWID	<div>Vendor</div>	<div>Interconnect</div>	<div>Devices</div>
<input checked="" type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68	EMC	Fiber Channel	<div>▼ mpath0</div> <div>sdaf (1:5:4)</div> <div>sdag (2:3:4)</div> <div>sdah (2:1:4)</div>
<input type="checkbox"/> ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	HP	Fiber Channel	<div>▼ mpath2</div> <div>sdam (1:3:7)</div> <div>sdan (1:4:7)</div> <div>sdao (2:2:7)</div>

Disable dmraid Device

Add iSCSI Target

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The advanced case,  
alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Basic Devices

BIOS RAID

Multipath Devices

Other SAN Devices

Search

Filter By:  Show WWIDs that Include:

<input type="checkbox"/> WWID	Vendor	Interconnect	Devices
<input checked="" type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68	EMC	Fiber Channel	<div>▼ <b>mpath0</b></div> <div><div>sdaf (1:5:4)</div><div>sdag (2:3:4)</div><div>sdah (2:1:4)</div></div>
<input checked="" type="checkbox"/> 42:bb:cc:11:0f:8c:07:ff:ef:32:b2:cd:f5:66:ba:01:99	EMC	iSCSI	<div>► <b>mpath1</b></div>
<input type="checkbox"/> ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	HP	Fiber Channel	<div>▼ <b>mpath2</b></div> <div><div>sdam (1:3:7)</div><div>sdan (1:4:7)</div><div>sdao (2:2:7)</div></div>

Would be nice to support ? and \* wildcards here.



The advanced case,  
alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Basic Devices

BIOS RAID

Multipath Devices

Other SAN Devices

Search

Filter By: WWID



Show WWIDs that Include:

Go

Clear All Filters

Same filtering mechanism here as  
for multipath.

☐ WWID



60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68

EMC

Fiber Channel



42:bb:cc:11:0f:8c:07:ff:ef:32:b2:cd:f5:66:ba:01:99

EMC

iSCSI



ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07

HP

Fiber Channel



Disable dmraid Device

Add iSCSI Target

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The advanced case,  
alternate method (tabs)



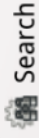
Please select the drive(s) you'd like to include in this installation below:

Basic Devices BIOS RAID Multipath Devices Other SAN Devices Search

Search by: Target WWID

WWID:

60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11

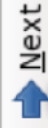


If you hit clear and there are items selected, the selected items stay, only the unselected search results stay. Also, any search form entries are cleared.

Search Results:

<input type="checkbox"/> WWID	Port	Target	LUN	Vendor	Show Columns:
<input checked="" type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11	1	8	5	QLogic	<input type="checkbox"/> Capacity
<input type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11	2	3	2	EMC	<input type="checkbox"/> Interconnect
<input type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11	3	9	1	EMC	<input checked="" type="checkbox"/> LUN
					<input checked="" type="checkbox"/> Port
					<input type="checkbox"/> Product Name
					<input checked="" type="checkbox"/> Target
					<input checked="" type="checkbox"/> Vendor
					<input checked="" type="checkbox"/> WWID

This menu is at 50% opacity so you can see the items underneath in the mockup. wouldn't be implemented like that, of course!



The advanced case,  
alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Basic Devices BIOS RAID Multipath Devices Other SAN Devices Search

Search by: Port / Target / LUN # Port: Any Target: 8 LUN #: 5 Clear Search

Search Results:

<input type="checkbox"/> WWID	Port	Target	LUN	Vendor
<input checked="" type="checkbox"/> e5:90:ca:67:9d:41:90:34:da:14:99:0b:aa:38:9a:8e	1	8	5	QLogic
<input type="checkbox"/> 18:00:70:37:62:87:2c:60:db:68:60:06:01:60:92:d2	2	8	5	EMC
<input type="checkbox"/> ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	3	8	5	EMC

Show Columns:

☐ Capacity

☐ Interconnect

☒ LUN

☒ Port

☐ Product Name

☒ Target

☒ Vendor

☒ WWID

this menu is at 50% opacity so you can see the items underneath in the mockup. wouldn't be implemented like that, of course!



If you hit clear and there are items selected, the selected items stay, only the unselected search results stay. Also, any search form entries are cleared.

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The simple case only.  
Advanced case users get  
a different screen.



Which type of installation would you like?

- ☐ **Use Entire Drive**  
Removes all partitions on the selected device(s). This includes partitions created by other operating systems.  
 **Tip:** This option will result of the removal of data from the selected disk(s). Make sure you have backups.
- ☒ **Replace Existing Linux System(s)**  
Removes only Linux partitions (partitions created from a previous Linux installation). This does not remove other partitions you may have on your storage device(s) (such as VFAT or FAT32 partitions).  
 **Tip:** This option will result of the removal of data from the selected disk(s). Make sure you have backups.
- ☐ **Shrink Current System**  
Shrinks existing partitions to create free space for installation. (My guess at what it does, anyway.)
- ☐ **Use Free Space**  
Retains your current data and partitions and uses only the free space on the selected device(s), assuming you have enough free space available.
- ☐ **Create Custom Layout**  
Manually create your own custom layout on the selected device(s) using the disk partitioning tool.

Which storage device would you like to boot this installation from?

sda 40GB SanDisk, Inc. SSD SATA

☒ Review and modify partitioning layout.

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It might be nice to have a set of icons that visually represents each option to make it more clear at a glance what each really does.

Dropdown is not scalable for the amount of data, but not enough room on the screen for a different type of widget... :/



Below are the storage devices you've selected to be a part of this installation. Please indicate using the arrows below which drives you'd like to use as data drives (these will not be formatted, only mounted) and which drives you'd like to use as storage for the install (these will be formatted.)

#### Data Storage Devices (to be mounted only)

Product	Capacity	Type	Vendor
md0	40 GB	RAID	IBM
ff:ef:32:b2:cd	80 GB	Multipath	EMC
60:06:01:60:9	400 GB	Multipath	Hitachi
ST9160824AS	80 GB	Local SATA	Seagate
ST9160824AS	80 GB	Local SATA	Seagate
37:			EMC

Show Columns:  
☒ Capacity  
☐ Device  
☒ Device Type  
☐ Interconnect  
☒ Product Name  
☐ Serial Number  
☐ Vendor

User could adjust column width to view full WWID...

Click or shift+click to select, then hit arrow to move...

the list could scroll horizontally if needed, but this introduces complications for the filter drop-down widget o\_o

#### Install Target Devices

Boot	Device
<input checked="" type="radio"/>	md3 40 GB, RAID, IBM
<input type="radio"/>	SSD SATA 100 GB, Local SATA, Dell
<input type="radio"/>	ST340014AS 80 GB, Local IDE, WD

first device in list is default boot device.

☒ Create encrypted filesystem(s)

**Tip:** Install target devices will be reformatted and wiped of any data. Make sure you have backups.

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